

☒ 5. Document ID: US 5240766 A

Entry 5 of 7

File: USPT

Aug 31, 1993

US-PAT-NO: 5240766

DOCUMENT-IDENTIFIER: US 5240766 A

TITLE: Gasket material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMK	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

☒ 6. Document ID: US 5173515 A

Entry 6 of 7

File: USPT

Dec 22, 1992

US-PAT-NO: 5173515

DOCUMENT-IDENTIFIER: US 5173515 A

TITLE: Fire retardant foams comprising expandable graphite, amine salts and phosphorous polyols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMK	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

☒ 7. Document ID: US 5169876 A

Entry 7 of 7

File: USPT

Dec 8, 1992

US-PAT-NO: 5169876

DOCUMENT-IDENTIFIER: US 5169876 A

TITLE: Process for producing a flame-resistant elastic soft polyurethane foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMK	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

[Generate Collection](#)

Terms	Documents
expanded graphite and zinc borate	7

[Display 10 Documents](#)including document number [7](#)**Display Format:**[TI](#)[Change Format](#)

Main Menu	Search Form	Posting Counts	Show 8 Numbers	Edit 8 Numbers
---------------------------	-----------------------------	--------------------------------	--------------------------------	--------------------------------

[Help](#)[Logout](#)

WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 3 Numbers](#)[Edit 3 Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 7 of 7 returned.**

- ☐
1. Document ID: US 6017987 A

Entry 1 of 7

File: USPT

Jan 25, 2000

US-PAT-NO: 6017987

DOCUMENT-IDENTIFIER: US 6017987 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
2. Document ID: US 6010763 A

Entry 2 of 7

File: USPT

Jan 4, 2000

US-PAT-NO: 6010763

DOCUMENT-IDENTIFIER: US 6010763 A

TITLE: Fireproofing material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☐
3. Document ID: US 5760115 A

Entry 3 of 7

File: USPT

Jun 2, 1998

US-PAT-NO: 5760115

DOCUMENT-IDENTIFIER: US 5760115 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
4. Document ID: US 5286574 A

Entry 4 of 7

File: USPT

Feb 15, 1994

US-PAT-NO: 5286574

DOCUMENT-IDENTIFIER: US 5286574 A

TITLE: Metal composite gasket material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

US-PAT-NO: 5719199

DOCUMENT-IDENTIFIER: US 5719199 A

TITLE: Flame retardant flexible foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	ISMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

[Generate Collection](#)

Terms	Documents
expanded graphite and fire retardant	14

[Display 10 Documents](#)

including document number

[11](#)**Display Format:**[TI](#)[Change Format](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Help](#)[Logout](#)

☒ 5. Document ID: US 4945074 A

Entry 5 of 7

File: USPT

Jul 31, 1990

US-PAT-NO: 4945074

DOCUMENT-IDENTIFIER: US 4945074 A

TITLE: Polymeric alkali metal silicate glass

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWAC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☒ 6. Document ID: US 4824709 A

Entry 6 of 7

File: USPT

Apr 25, 1989

US-PAT-NO: 4824709

DOCUMENT-IDENTIFIER: US 4824709 A

TITLE: Textile product with backcoating comprising smoke suppressant and/or flame retardant intumescent particles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWAC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☒ 7. Document ID: US 4521333 A

Entry 7 of 7

File: USPT

Jun 4, 1985

US-PAT-NO: 4521333

DOCUMENT-IDENTIFIER: US 4521333 A

TITLE: Intumescent silicates having improved stability

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWAC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

[Generate Collection](#)

Terms	Documents
hydrated alkali metal silicate and zinc borate	7

[Display 10 Documents](#)

including document number

7

Display Format:[TI](#)[Change Format](#)

Main Menu	Search Form	Posting Counts	Show S Numbers	Edit S Numbers
---------------------------	-----------------------------	--------------------------------	--------------------------------	--------------------------------

[Help](#)[Logout](#)

WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 3 Numbers](#)[Edit 3 Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 6 of 6 returned.**

- ☐ 1. Document ID: US 5830319 A
Entry 1 of 6 File: USPT Nov 3, 1998
US-PAT-NO: 5830319
DOCUMENT-IDENTIFIER: US 5830319 A
TITLE: Flexible fire barrier felt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 2. Document ID: US 5502937 A
Entry 2 of 6 File: USPT Apr 2, 1996
US-PAT-NO: 5502937
DOCUMENT-IDENTIFIER: US 5502937 A
TITLE: Fire protective flexible composite insulating system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 3. Document ID: US 5476891 A
Entry 3 of 6 File: USPT Dec 19, 1995
US-PAT-NO: 5476891
DOCUMENT-IDENTIFIER: US 5476891 A
TITLE: Intumescent composition exhibiting improved long-term expansion and compression properties and method of use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 4. Document ID: US 5175197 A
Entry 4 of 6 File: USPT Dec 29, 1992
US-PAT-NO: 5175197
DOCUMENT-IDENTIFIER: US 5175197 A
TITLE: Water-based intumescent fire barrier caulk

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☐ 5. Document ID: US 4588523 A

Entry 5 of 6

File: USPT

May 13, 1986

US-PAT-NO: 4588523

DOCUMENT-IDENTIFIER: US 4588523 A

TITLE: Intumescent fire retardant compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

☐ 6. Document ID: US 4273879 A

Entry 6 of 6

File: USPT

Jun 16, 1981

US-PAT-NO: 4273879

DOCUMENT-IDENTIFIER: US 4273879 A

TITLE: Intumescent fire retardant composites

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

[Generate Collection](#)

Terms	Documents
intumescent fire retardant and hydrated alkali metal silicate	6

[Display 10 Documents](#)

including document number

[6](#)**Display Format:**[TI](#)[Change Format](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Help](#)[Logout](#)

WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 3 Numbers](#)[Edit 3 Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 10 of 14 returned.**

- ☐
1. Document ID: US 6017987 A

Entry 1 of 14

File: USPT

Jan 25, 2000

US-PAT-NO: 6017987

DOCUMENT-IDENTIFIER: US 6017987 A

TITLE: ~~Fire-retardant~~ polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INNO	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐
2. Document ID: US 6017633 A

Entry 2 of 14

File: USPT

Jan 25, 2000

US-PAT-NO: 6017633

DOCUMENT-IDENTIFIER: US 6017633 A

TITLE: Flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INNO	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐
3. Document ID: US 5985452 A

Entry 3 of 14

File: USPT

Nov 16, 1999

US-PAT-NO: 5985452

DOCUMENT-IDENTIFIER: US 5985452 A

TITLE: Flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INNO	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☒
4. Document ID: US 5981072 A

Entry 4 of 14

File: USPT

Nov 9, 1999

US-PAT-NO: 5981072

DOCUMENT-IDENTIFIER: US 5981072 A

TITLE: Oxidation and corrosion resistant flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INNO	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☒
5. Document ID: US 5968669 A

Entry 5 of 14

File: USPT

Oct 19, 1999

US-PAT-NO: 5968669

DOCUMENT-IDENTIFIER: US 5968669 A

TITLE: Fire retardant intumescent coating for lignocellulosic materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
6. Document ID: US 5955386 A

Entry 6 of 14

File: USPT

Sep 21, 1999

US-PAT-NO: 5955386

DOCUMENT-IDENTIFIER: US 5955386 A

TITLE: Fire hydrant thermal and acoustic insulation material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
7. Document ID: US 5952248 A

Entry 7 of 14

File: USPT

Sep 14, 1999

US-PAT-NO: 5952248

DOCUMENT-IDENTIFIER: US 5952248 A

TITLE: Fire retardant thermal and acoustic insulation material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
8. Document ID: US RE36206 E

Entry 8 of 14

File: USPT

May 4, 1999

US-PAT-NO: RE36206

DOCUMENT-IDENTIFIER: US RE36206 E

TITLE: Expandable gasket, sealed joint and method of forming same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
9. Document ID: US 5760115 A

Entry 9 of 14

File: USPT

Jun 2, 1998

US-PAT-NO: 5760115

DOCUMENT-IDENTIFIER: US 5760115 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	-----	-------

- ☒
10. Document ID: US 5719199 A

Entry 10 of 14

File: USPT

Feb 17, 1998

WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show \\$ Numbers](#)[Edit \\$ Numbers](#)[Generate Collection](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☒ 1. Document ID: US 5830319 A

Entry 1 of 7

File: USPT

Nov 3, 1998

US-PAT-NO: 5830319

DOCUMENT-IDENTIFIER: US 5830319 A

TITLE: Flexible fire barrier felt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☐ 2. ~~Document ID: US 5578671 A~~

Entry 2 of 7

File: USPT

Nov 26, 1996

US-PAT-NO: 5578671

DOCUMENT-IDENTIFIER: US 5578671 A

TITLE: Intumescent putty

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☐ 3. ~~Document ID: US 5502937 A~~

Entry 3 of 7

File: USPT

Apr 2, 1996

US-PAT-NO: 5502937

DOCUMENT-IDENTIFIER: US 5502937 A

TITLE: Fire protective flexible composite insulating system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

☐ 4. ~~Document ID: US 5175197 A~~

Entry 4 of 7

File: USPT

Dec 29, 1992

US-PAT-NO: 5175197

DOCUMENT-IDENTIFIER: US 5175197 A

TITLE: Water-based intumescent fire barrier caulk

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FWMC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

WEST[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 3 Numbers](#)[Edit 3 Numbers](#)[Generate Collection](#)**Search Results - Record(s) 11 through 14 of 14 returned.**

- ☐ 11. Document ID: US 5650448 A
Entry 11 of 14 File: USPT Jul 22, 1997
US-PAT-NO: 5650448
DOCUMENT-IDENTIFIER: US 5650448 A
TITLE: Flame retardant flexible foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMOC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 12. Document ID: US 5443894 A
Entry 12 of 14 File: USPT Aug 22, 1995
US-PAT-NO: 5443894
DOCUMENT-IDENTIFIER: US 5443894 A
TITLE: Fire retardant oriented strand board structure element

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMOC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 13. Document ID: US 5173515 A
Entry 13 of 14 File: USPT Dec 22, 1992
US-PAT-NO: 5173515
DOCUMENT-IDENTIFIER: US 5173515 A
TITLE: Fire retardant foams comprising expandable graphite, amine salts and phosphorous polyols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMOC	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-------

- ☐ 14. Document ID: US 4529742 A
Entry 14 of 14 File: USPT Jul 16, 1985
US-PAT-NO: 4529742
DOCUMENT-IDENTIFIER: US 4529742 A
TITLE: Optionally foamed intumescent masses prepared from polyisocyanates, hydroxyl compounds and melamine phosphates